

13000 GeV pp

 $t\bar{t}$ Particle-level $t\bar{t}$ transverse momentum, $|\vec{y}| \in [0.5, 1]$

- ATLAS
- △ Pythia 6.428 370
- -□ Pythia 6.428 391
- -■ Pythia 6.428 default
- △ Pythia 8.315 default

 $1 / \sigma \# \# \text{cdot} \# d^2 \sigma / d|\vec{y}| d p_{\text{T}}^{\text{tt}} \# \{ \text{TeV} \}^{-1}$ Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

 $p_{\text{T}}^{\text{tt}} \# \{ \text{TeV} \}$ 